



U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT  
(Use several sheets if necessary)

ATTY. DOCKET NO.  
660088.466USPC

APPLICATION NO.  
10/539,539

APPLICANTS  
Soumitra S. Ghosh et al.

FILING DATE  
February 3, 2006

GROUP ART UNIT  
~~1614~~ 1626

### U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/JN/	AA	3,277,164	10/04/66	Haack et al.	260	520	
/JN/	AB	3,692,828	09/19/72	Onopchenko et al.	260	524 R	
/JN/	AC	3,886,162	05/27/75	Pfister et al.	260	279 R	
/JN/	AD	3,965,145	06/22/76	Dahl	260	473 R	
/JN/	AE	4,683,244	07/28/87	Moeller et al.	514	568	
/JN/	AF	4,935,240	06/19/90	Nakai et al.	424	400	
/JN/	AG	4,980,372	12/25/90	Nakai et al.	514	510	
/JN/	AH	5,217,994	06/08/93	Egbertson et al.	514	484	
/JN/	AI	5,426,196	06/20/95	Fang	549	307	
/JN/	AJ	5,684,015	11/04/97	Mederski et al.	514	303	

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
/JN/	AK	443 350	09/15/67	CH (+ Abstract in English)		
/JN/	AL	0 253 666 A2	01/20/88	EPO		
/JN/	AM	WO 93/24442	12/09/93	WIPO		
/JN/	AN	WO 99/36398	07/22/99	WIPO		
/JN/	AO	WO 01/04087	01/18/01	WIPO		
/JN/	AP	WO 03/080564	10/02/03	WIPO		

### OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/JN/	AQ	Andreyev, A. Y. et al., "The ATP/ADP-antiporter is involved in the uncoupling effect of fatty acids on mitochondria," <i>European Journal of Biochemistry</i> 182: 585-592, 1989.
/JN/	AR	Beutner, G. et al., "Complexes between porin, hexokinase, mitochondrial creatine kinase and adenylate translocator display properties of the permeability transition pore. Implication for regulation of permeability transition by the kinases," <i>Biochimica et Biophysica Acta</i> 1368(1): 7-18, 1998.

EXAMINER

/Jason Nolan/

DATE CONSIDERED

12/21/2007

\* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

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				APPLICANTS Soumitra S. Ghosh et al.			
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<b>U.S. PATENT DOCUMENTS</b>							
*EXAMINER INITIAL	BA	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/JN/	BA	5,888,941	03/30/99	Bartroli et al.	504	262	
/JN/	BB	5,990,133	11/23/99	Gaster et al.	514	337	
/JN/	BC	6,262,113	07/17/01	Widdowson et al.	514	522	
/JN/	BD	6,344,466	02/05/02	Soll et al.	514	331	
/JN/	BE	6,680,345	01/20/04	Linz et al.	514	643	
/JN/	BF	6,855,341	02/15/05	Smith	424	642	
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	BG						
<b>OTHER PRIOR ART</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>							
/JN/	BH	Boveris and Chance, "The Mitochondrial Generation of Hydrogen Peroxide," <i>The Biochemical Journal</i> 134(3): 707-716, 1973.					
/JN/	BI	Farrelly, E. et al., "A High-Throughput Assay for Mitochondrial Membrane Potential in Permeabilized Yeast Cells," <i>Analytical Biochemistry</i> 293(2): 269-276, June 15, 2001.					
/JN/	BJ	Green and Reed, "Mitochondria and Apoptosis," <i>Science</i> 281:1309-1312, August 28, 1998.					
/JN/	BK	Korshunov, S.S. et al., "Fatty acids as natural uncouplers preventing generation of O <sub>2</sub> <sup>-</sup> and H <sub>2</sub> O <sub>2</sub> by mitochondria in the resting state," <i>FEBS Letters</i> 435(2-3): 215-218, 1998.					
/JN/	BL	Korshunov, S.S. et al., "High protonic potential actuates a mechanism of production of reactive oxygen species in mitochondria," <i>FEBS Letters</i> 416(1): 15-18, 1997.					
/JN/	BM	Kroemer, G. et al., "The Mitochondrial Death/Life Regulator in Apoptosis and Necrosis," <i>Annual Review of Physiology</i> 60: 619-642, 1998.					
/JN/	BN	Morin D. et al., "Mitochondria as target for antiischemic drugs," <i>Adv. Drug Deliv. Rev.</i> 49(1-2): 151-174, 2001.					
/JN/	BO	Obatomi and Bach et al., "Inhibition of mitochondrial respiration and oxygen uptake in isolated rat renal tubular fragments by atractyloside," <i>Toxicology Letters</i> 89(2): 155-161, December 16, 1996.					
/JN/	BP	Skulachev, V.P., "Fatty acid circuit as a physiological mechanism of uncoupling of oxidative phosphorylation," <i>FEBS Letters</i> 294(3): 158-162, December 1991.					
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
	CB						
	CC						
	CD						
	CE						
<b>FOREIGN PATENT DOCUMENTS</b>							
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					YES	NO	
	CF						
	CG						
	CH						
<b>OTHER PRIOR ART</b> (Including Author, Title, Date, Pertinent Pages, Etc.)							
/JN/	CI	Skulachev, V.P., "Why are mitochondria involved in apoptosis? Permeability transition pores and apoptosis as selective mechanisms to eliminate superoxide-producing mitochondria and cell," <i>FEBS Letters</i> 397(1): 7-10, 1996.					
/JN/	CJ	Syamal and Singh, "Synthesis and Characterization of New Polymer Supported Chelating Resins," <i>Journal Polymer Mater.</i> 6: 175-179, 1989.					
/JN/	CK	Tait, B.D. et al., "Catechol Based Inhibitors of 15-Lipoxygenase," <i>Bioorganic &amp; Medicinal Chemistry Letters</i> 6(1): 93-96, 1996.					
/JN/	CL	Tunã, F. et al., "A Synthetic Approach Towards Homotrimeric Complexes: Design of Mn(II), Cu(II) and Zn(II) Complexes Using a New Unsymmetrical Tetradentate Ligand," <i>Revue Roumaine de Chimie</i> 42(7): 579-585, 1997.					
/JN/	CM	Wojtczak, L. et al., "Protonophoric Activity of Fatty Acid Analogs and Derivatives in the Inner Mitochondrial Membrane: A Further Argument for the Fatty Acid Cycling Model," <i>Archives of Biochemistry and Biophysics</i> 357(1): 76-84, September 1, 1998.					
/JN/	CN	Yu, X.X. et al., "Characterization of novel UCP5/BMCP1 isoforms and differential regulation of UCP4 and UCP5 expression through dietary or temperature manipulation," <i>The FASEB Journal</i> 14: 1611-1618, August 2000.					
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